

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:512

ANSWERED ON:20.02.2003

GENERATION OF ADDITIONAL POWER TO MEET SHORTAGES

RAMJILAL SUMAN;SUSHIL KUMAR INDORA;VSM (RETD.) COL. CHOUDHARY

Will the Minister of POWER be pleased to state:

- (a) whether the Government are considering to set up additional Hydro-electric Power Projects in the country;
- (b) if so, the details of such HEPP likely to be set up in the country, especially in Rajasthan during the Tenth Plan State-wise;
- (c) the capacity of power likely to be generated with proposed additional power projects and the cost thereof, plant-wise; and
- (d) the policy formulated by the Government for the implementation of these projects?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA)

(a) to (d): Yes Sir. The hydro electric potential in the country has been assessed as 1,48,701 MW, of which only around 17% has been harnessed. Hydro-electric projects of 14393.2 MW capacity are envisaged to be set up during the 10th Plan. There is no hydro-electric project to be set up during 10th Plan in Rajasthan. A statement giving details of the projects covered along with their cost is enclosed. Effective mechanisms have been put in place to ensure timely completion of these projects.

The Government has undertaken following measures for accelerating the pace of hydropower development in the country with the ultimate objective of fully developing the feasible hydro potential in the country.

? Enhanced budgetary support has been provided to Central Public Sector Undertakings responsible for development of hydro projects in Central Sector:

? In order to facilitate prioritizing the development of hydro site, Central Electricity Authority has completed a ranking study of all the identified hydro potential sites in the major river basins of the country.

? A three stage clearance process for new hydro projects has been introduced. This facilitates thorough preparation of DPRs so as to minimize possibilities of geological surprises with land acquisition and proper development of infrastructure including roads and bridges being done in parallel after establishment of feasibility and commercial viability of a project. Development of necessary infrastructure before award of major contract packages is expected to result in reduction of the gestation period of hydro projects and consequently lower costs.

? A Special Purpose Vehicle for compensatory afforestation has been planned which would create a land bank from which credits could be taken for large power projects. This is also designed to take care of environmental concerns relating to large hydro projects.

ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (d) OF THE LOK SABHA UNSTARRED QUESTION NO. 512 TO BE ANSWERED ON 20.02.2003.

List of hydel power projects identified for capacity addition during 10th Plan.

Name of the project/Sector (MW)	I.C (MW)	10th Plan benefit	Estimated Cost (Rs. in crore)
Central Sector			

T.H.D.C.

Tehri HEP (Uttaranchal)	1000	1000	6195.56 (completed)
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Koteshwar (-do_)	400	400	342.53
Tehri PSP (-do_)	1000	1000	1799.67
NHPC			
Dulhasti (J&K)	390	390	3559.77
Chamera -II (H.P)	300	300	1364.08 (completed)
Dhauliganga -I Uttaranchal).	280	280	1578.31
Teesta -V (Sikkim)	510	510	2568.09 (completed)
Indirasagar	1000	1000	3594.42
(JV) (M.P)			(completed)
Sewa - II (J&K)	120	120	675.25
Bav (Mah)	37	37	264.21
Purulia PSS	900	900	1456.56
(JV) (WB)			
Omkareshwar	520	520	2407.10
(JV) (MP)			(completed)
Teesta low dam -III, WB	132	132	782.22
Teesta low dam -IV, WB	168	168	DPR not yet received
NJPC			
Nathpa Jhakri	1500	1500	6218.29
(H.P)			
Rampur (HP) NEEPCO	400	400	DPR not yet to received
Kopili -II) Assam	25	25	99.35 (completed)

Tuirial ((Mizoram)	60	60	448.19 (completed)
Total Central Sector	8742	8742	
State sector			
Punjab			
Shahpurkandi (H)	168	168	298.46
Himachal Pradesh			
Larji -I (H)	126	126	908.64
Kashang -I (H) J&K	66	66	DPR not yet received
Baghaliar (H) Uttaranchal	450	450	1046.51
Maneri Bhali -II (H)	304	304	1111.39
Madhya Pradesh			
Bansagar -III (H) Bansagar-II (H)	20 15	20 15	301.17
Bansagar -IV (H)	20	20	51.06
Marikheda (H)	40	40	169.17
Maharashtra			
Ghatghar PSS (H)	250	250	620.78
Gujarat			
Sardar Sarovar (multi state) (H)	1450	1450	3267.25
Tamil Nadu			

Pykara Ultimate	150	150	70.16
(H)			
Bhavani Barrage	90	90	78.67
(H) (I / II/ III)			
Andhra Pradesh			
Srisailem LBH (H)	450	450	1166.66
Jurala Priyadarshini (H)	78.2	78.2	452.91
Kerala			
Kuttiyadi augmentation (H)	100	100	61.72
Karnataka Almati Dam (H) Orissa	290	290	674.38 (completed)
Balimela -II (H) Assam	150	150	200.09 (completed)
Karbi Langpi (H)	100	100	36.36
Mizoram			
Bairabi (H) Meghalaya	80	80	549.43 (completed)
Myntdu (Leiska)	84	84	285.36
(H)			
Total State Sector	4481.2	4481.2	
Private Sector			
Himachal Pradesh			
Baspa (H)	300	300	867.7

Dhamwari Sunda (H)	70	70	439.95 (completed)
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Uttaranchal

Vishnu Prayag (H)	400	400	1614.66 (completed)
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Madhya Pradesh

Maheshwar (H)	400	400	1569
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Total Private Sector	1170	1170	
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Overall Total	14393.2	14393.2	
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